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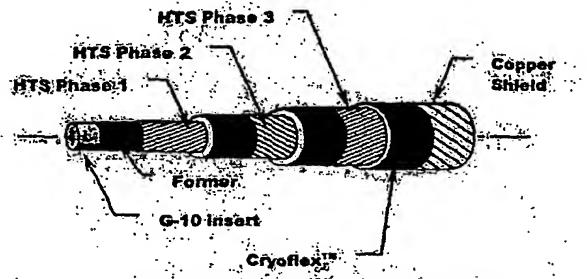
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(54) Title: TRIAXIAL SUPERCONDUCTING CABLE AND TERMINATION THEREFOR



Schematic of the tri-axial cable

(57) Abstract: In order to provide a flexible oxide superconducting cable which is reduced in AC loss, tape-shaped superconducting wires covered with a stabilizing metal are wound on a flexible former. The superconducting wires are preferably laid on the former at a bending strain of not more than 0.2 %. In laying on the former, a number of tape-shaped superconducting wires are laid on a core member in a side-by-side manner, to form a first layer. A prescribed number of tape-shaped superconducting wires are laid on top of the first layer in a side-by-side manner, to form a second layer. The former may be made of a metal, plastic, reinforced plastic, polymer, or a composite and provides flexibility to the superconducting wires and the cable formed therewith. Methods of forming and terminating a triaxial superconductor are disclosed.

WO 2004/013868 A3



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A. CLASSIFICATION OF SUBJECT MATTER

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 US CL : 174/120 SC, 106 SC, 102 SC, 105 SC, 15.5; 333/1, 12

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONEElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3,843,830 A (PRIAROGLIA et al.) 22 October 1974 (22.10.1974), see entire document.	1-19
Y	US 6,225,565 B1 (PRYSNER) 01 May 2001 (01.05.2001), see entire document.	1-19
Y	US 5,932,523 A (FUJIKAMI et al.) 03 August 1999 (03.08.1999), see entire document.	1-19

 Further documents are listed in the continuation of Box C. See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

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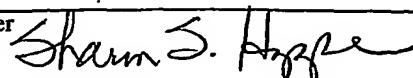
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